

APPARATUS FOR ETHERNET
PHY/MAC COMMUNICATION

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ABSTRACT OF THE DISCLOSURE

An integrated Ethernet PHY/MAC apparatus having a single link partner capability register shared between a PHY and a corresponding MAC, which implements IEEE Standard 302.3, 10 including IEEE Standards 802.3u and 802.3x. Apparatus also includes plural PHYs, each having a corresponding MAC integrably coupled therewith such that an integrated multi-port Ethernet device is realized. A network consists of at least one integrated Ethernet PHY/MAC device having a single link partner capability 15 register.

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